

THE HONOURABLE ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Sir/Madam:

Transmitted herewith for filing is the patent application of

Inventors: Shahram SHAH-HEYDARI

For: HIERARCHICAL TREE-BASED PROTECTION SCHEME FOR MESH NETWORKS

Enclosed are:

- ☒ 24 sheet(s) of drawing(s).  
☒ An assignment of the inventor(s) to NORTELE NETWORKS LIMITED  
☐ A certified copy of a \_\_\_\_\_ application.  
☒ Declaration and power of attorney.  
☐ Applicant claims small entity status. See 37 CFR 1.27.  
☐ An Information Disclosure Statement.  
☐ Request and Certification Under 35 USC 122 (b)(2)(B)(i)  
☒ Preliminary Amendment for the Purpose of Calculating the Filing Fee  
☒ Preliminary Amendment

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	SMALL ENTITY			OTHER THAN SMALL ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE				\$370.00	OR		\$740.00
TOTAL CLAIMS	* 18 - 20 = 0	0	x 9		OR	0 x 18	\$0.00
INDEP. CLAIMS	* 6 - 3 = 3	3	x 42		OR	3 x 84	\$252.00
MULTIPLE DEPENDENT CLAIM PRESENTED			x 140		OR	0 x 280	
ASSIGNMENT(S) RECORDATION FEE(S)			x 40			1 x 40	\$40.00
* If the difference in Col. 1 is less than zero, enter "0" in Col. 2			TOTAL		OR	TOTAL	\$1032.00

\* After Preliminary Amendment for Purposes of Calculating Filing Fee.

THE HONOURABLE ASSISTANT COMMISSIONER FOR PATENTS  
Page 2

- ☐ Please charge our Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$1032.00 is enclosed to cover the filing fees and assignment recordal fee.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-2548. A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 19-2548. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,



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Enclosures  
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